

PROJECT NOTE

TO: Project File

SUBJECT: Jard Company, Inc.


TASK DESCRIPTION: 15-Mile Surface Water Pathway Target Distance Limit Description

TDD NO.: 13-09-0001

W.O. NO.: 20114-091-998-0904

TASK NO.: 60

DATE: 16 October 2013

PREPARED BY: Gerald Hornok 

The attached map was viewed using the Environmental Systems Research Institute's (ESRI), ArcMap Geographic Information System (GIS) software version 10.0 (Attachment A). The distance between selected sediment sample locations was determined by utilizing the measurement tool in the ArcMap GIS software. While utilizing this tool, the distance was measured along the center line of the Surface water Pathway (SWP) based upon a Rivers and Streams shapefile taken from the Vermont Agency of Natural Resources (VT ANR) GIS Database. The SWP from the Jard Company, Inc. property is located in the Hudson-Hoosic Watershed and includes the following surface water bodies (length of in-water segment in parentheses): an unnamed stream [Branch 1] (0.33 miles); Furnace Brook [Branch 1] (1.91 miles); Walloomsac River [Branch 2] (2.14 miles); and Walloomsac River (12.76 miles).

There are two Probable Points of Entry (PPE) to the 15-mile SWP. PPE 1 is located at a small drainage pond, referred as the "Greene Pond", where ground water discharges to the surface water [Branch 1]. START Site Reassessment (SR) sediment samples SD-30 and SD-31 were collected from Greene Pond, the headwaters of the unnamed Stream. Surface water flow exits Greene Pond and flows north along the unnamed Stream, through a culvert under the entrance to the Little League fields, and discharges into Duck Pond. Flow continues northward through Duck Pond and along the unnamed Stream and then enters a culvert and flows northwest 50 feet under Park Street. Flow surfaces at the corner of residential Properties P006 and P005, located west of Park Street. Flow continues above ground northwestward across P005 and onto Property P041, where the unnamed Stream turns sharply westward and then northward prior to flowing along the boundary between Property P041 and the undeveloped property, P030. The unnamed Stream again turns sharply west and flows into the wetlands on Property P030, 0.0105 miles upstream of START SR sediment sample point SD-41. The unnamed Stream continues to flow northwestward and converges with Furnace Brook, 0.3327 miles downstream of PPE 1. Branch 1 of the Surface Water Pathway continues along Furnace Brook, in a northwest direction, for 1.91 miles, prior to converging with the Walloomsac River approximately 0.1 miles south of the Route 279 Bridge over the Walloomsac River.

PPE 2 is located directly south of the site, on the Roaring River branch of the Walloomsac River. Surface water flows westward.

The surface water pathway branches then merge, and water flow continues along the Walloomsac River west-northwestward for approximately 5.51 miles to the New York State Border. Flow continues along the Walloomsac River westward for the remaining 7.25 miles to the terminus of the 15-mile downstream Surface Water Pathway, near North Hoosick, New York.

Attachment A

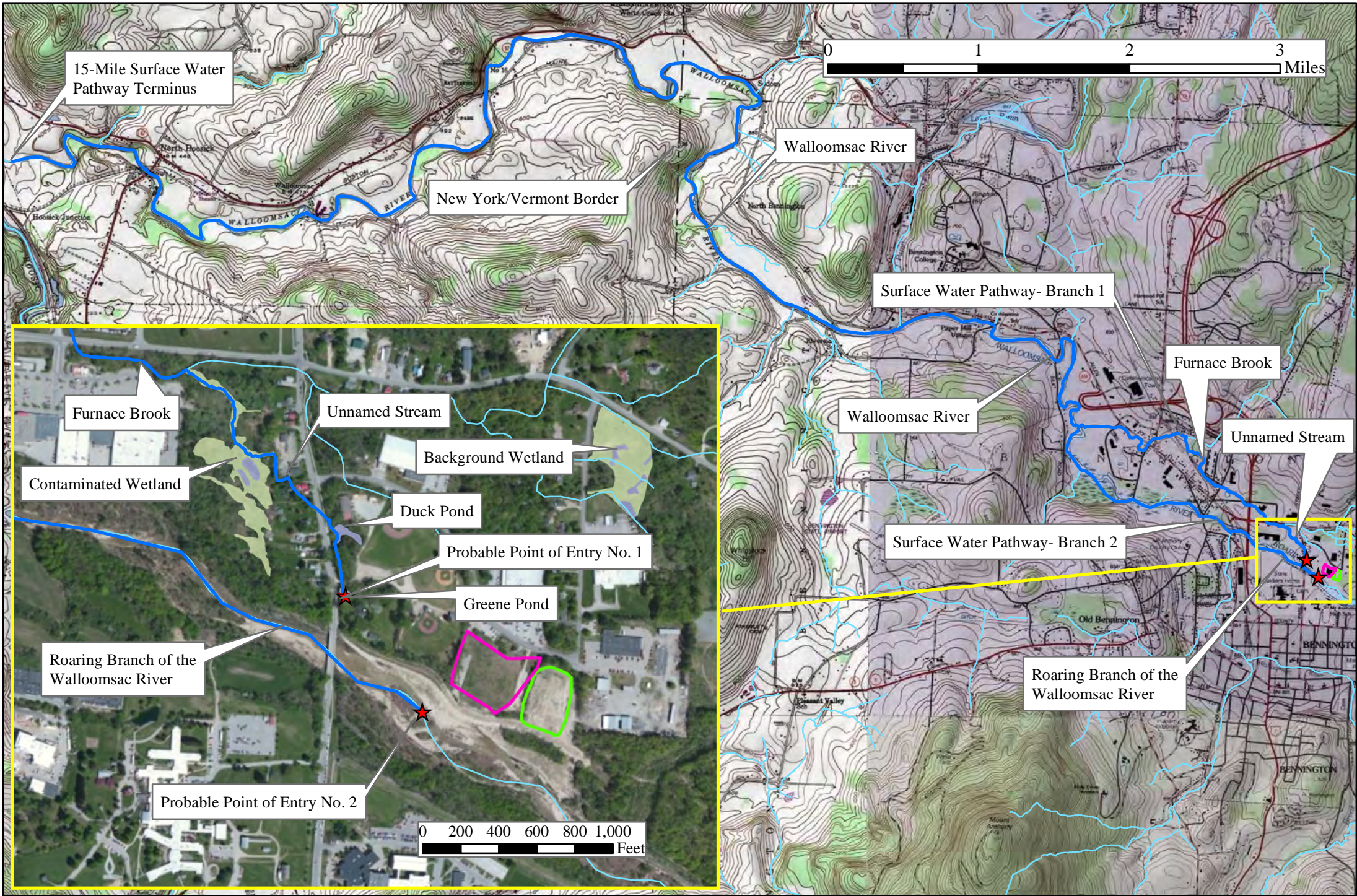


Figure 7
15 Mile Surface Water Pathway
Target Distance Limit
Jard Company, Inc.
259 Bowen Road
Bennington, Vermont

EPA Region I
Superfund Technical Assessment and
Response Team (START) III
Contract No. EP-W-05-042
TDD Number: 13-09-0001
Created by: G. Hornok
Created on: 22 October 2013
Modified by: C. Dupree
Modified on: 3 March 2014

Legend

- ★ Probable Point of Entry
- Surface Water Pathway
- Surface Water
- Contaminated Soil Source
- Pile Source

Data Sources:
 Imagery: Bing Maps Aerials (Microsoft) [112]
 Topos: USGS [3]
 All other data: Weston START [4; 10]

